This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented) A method for stabilizing dystrophin-associated protein complexes (DAPCs) on the surface of a cell, comprising contacting the cell with an effective amount of a polypeptide, such that the DAPCs are stabilized, wherein said polypeptide comprises a sequence at least 95% identical to amino acids 38-365 of SEQ ID NO: 9, wherein the polypeptide binds to alpha-dystroglycan, and wherein the polypeptide comprises glycosaminoglycan (GAG) side chains.

2. (Canceled)

3. (Canceled)

4. (Previously presented) The method of claim 1, wherein the polypeptide binds to alpha-sarcoglycan and gamma-sarcoglycan.

5. (Canceled)

6. (Previously presented) The method of claim 1, wherein the polypeptide stimulates phosphorylation of alpha-sarcoglycan on a cell membrane.

7. (Previously presented) The method of claim 1, wherein the polypeptide comprises at least one repeat motif of 24 amino acids in the Leucine Rich Repeat (LRR) of SEQ ID NO: 9.

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Previously presented) The method of claim 1, wherein the polypeptide comprises an amino acid sequence that is identical to amino acids 38-365 of SEQ ID NO: 9.

12. (Currently amended) The method of claim 1, wherein the polypeptide is encoded by a nucleic acid which hybridizes under stringent conditions of 6.0 x sodium chloride/sodium citrate (SSC) at about 45 °C to a complementary strand of SEQ ID NO: 8.

13. (Canceled)

14. (Original) The method of claim 1, wherein the cell is a muscle cell.

15. (Withdrawn) A method for activating a postynaptic membrane of a cell, comprising contacting the cell with an effective amount of biglycan, such that the postsynpatic membrane is activated.

16. (Withdrawn) The method of claim 15, wherein the biglycan comprises an amino acid sequence which is at least about 90% identical to a portion of biglycan and having at least one biological activity of biglycan.

17. (Withdrawn) The method of claim 15, wherein the biglycan binds to alpha-dystroglycan.

18. (Withdrawn) The method of claim 15, wherein the biglycan potentiates agrin-induced AChR aggregation on the surface of the cell.

19. (Withdrawn) The method of claim 15, wherein the biglycan stimulates the phosphorylation of MuSK on the cell.

20. (Withdrawn) The method of claim 15, wherein the biglycan potentiates agrin-induced phosphorylation of MuSK.

21. (Withdrawn) The method of claim 15, wherein the portion of biglycan is one or more 24 amino acids repeat motifs in the Leucine Rich Repeat (LRR) of human biglycan having SEQ ID NO: 9.

22. (Withdrawn) The method of claim 21, wherein the biglycan comprises an amino acid sequence comprising one or more LLRs of human biglycan having SEQ ID NO: 9.

23. (Withdrawn) The method of claim 15, wherein the biglycan comprises glycosaminoglycan (GAG) side chains.

24. (Withdrawn) The method of claim 15, wherein the biglycan comprises an amino acid sequence which is at least about 90% identical to amino acids 38-365 of SEQ ID NO: 9.

25. (Withdrawn) The method of claim 24, wherein the biglycan comprises an amino acid sequence that is at least about 95% identical to amino acids 38-365 of SEQ ID NO: 9.

26. (Withdrawn) The method of claim 15, wherein the biglycan is encoded by a nucleic acid which hybridizes to SEQ ID NO: 8.

27. (Withdrawn) The method of claim 15, wherein the cell is a muscle cell.

28. (Withdrawn) A method for treating or preventing a condition associated with an abnormal dystrophin-associated protein complex (DAPC) in cells of a subject, comprising administering to the subject a pharmaceutically effective amount of biglycan.

29. (Withdrawn) The method of claim 28, wherein the biglycan comprises an amino acid sequence which is at least about 90% identical to a portion of biglycan and having at least one biological activity of biglycan.

30. (Withdrawn) The method of claim 29, wherein the portion of biglycan is one or more 24 amino acids repeat motifs in the Leucine Rich Repeat (LRR) of human biglycan having SEQ ID NO: 9.

31. (Withdrawn) The method of claim 28, wherein the biglycan comprises an amino acid sequence which is at least about 90% identical to amino acids 38-365 of SEQ ID NO: 9.

32. (Withdrawn) The method of claim 28, wherein the biglycan comprises the amino acid sequence having SEQ ID NO: 9.

33. (Withdrawn) The method of claim 28, comprising administering to the subject a nucleic acid encoding the biglycan.

34. (Withdrawn) The method of claim 28 wherein the condition is characterized by the breakdown of muscle cell membranes.

35. (Withdrawn) The method of claim 34, wherein the condition is a muscular dystrophy is selected from the group consisting of Duchenne's Muscular Dystrophy, Becker's Muscular Dystrophy, Congenital Muscular Dystrophy, Limb-girdle Muscular Dystrophy, and mytonic dystrophy.

36. (Withdrawn) A method for treating or preventing a condition characterized by an abnormal neuromuscular junction or synapse in a subject, comprising administering to the subject a pharmaceutically effective amount of biglycan.

37. (Withdrawn) The method of claim 36, wherein the biglycan comprises an amino acid sequence which is at least about 90% identical to a portion of biglycan and having at least one biological activity of biglycan.

38. (Withdrawn) The method of claim 36, wherein the portion of biglycan is one or more 24 amino acids repeat motifs in the Leucine Rich Repeat (LRR) of human biglycan having SEQ ID NO: 9.

39. (Withdrawn) The method of claim 36, wherein the biglycan comprises an amino acid sequence which is at least about 90% identical to amino acids 20-365 of SEQ ID NO: 9.

40. (Withdrawn) The method of claim 36, wherein the biglycan comprises the amino acid sequence having SEQ ID NO: 9.

41. (Withdrawn) The method of claim 36, comprising administering to the subject a nucleic acid encoding the biglycan.

42. (Withdrawn) The method of claim 36, wherein the condition is a neuromuscular or neurological disease.

43. (Withdrawn) A method for determining whether a subject has or is at risk of developing a condition associated with an abnormal DAPC or abnormal synapse or neuromuscular junctions, comprising determining the level or activity of biglycan, wherein the presence of an abnormal level and/or activity of biglycan in the tissue of a subject indicates that the subject has or is at risk of developing a condition associated with an abnormal DAPC or abnormal neuromuscular junctions.

44. (Withdrawn) The method of claim 43, wherein the condition is a muscular dystrophy.

45. (Withdrawn) The method of claim 44, wherein the condition is selected from the group consisting of Duchenne's Muscular Dystrophy ,Becker's Muscular Dystrophy, Congenital Muscular Dystrophy, Limb-girdle Muscular Dystrophy, and mytonic dystrophy.

46. (Withdrawn) A composition comprising a pharmaceutically efficient amount of biglycan or a portion thereof that is sufficient for stabilizing DAPCs or activating postsynatpic membranes.

47. (Withdrawn) A method for identifying an agent which modulates the interaction between α-dystroglycan and biglycan, comprising contacting an α-dystroglycan peptide with biglycan or a portion thereof sufficient for binding to α-dystroglycan and a test compound in conditions under which the α-dystroglycan peptideand biglycan interact in the absence of the test compound, wherein a difference in the level of binding between the α-dystroglycan peptideand biglycan in the presence of the test compound relative to the absence of the test compound indicates that the test compound is an agent which modulates the interaction between α-dystroglycan and biglycan.

48. (Withdrawn) A method for identifying an agent which modulates the interaction between α-sarcoglycan and biglycan, comprising contacting an α-sarcoglycan peptide with biglycan or a portion thereof sufficient for binding to α-sarcoglycan peptide and a test compound in conditions under which the α-sarcoglycan peptide and biglycan interact in the absence of the test compound, wherein a difference in the level of binding between the α-sarcoglycan peptide and biglycan in the presence of the test compound relative to the absence of the test compound indicates that the test compound is an agent which modulates the interaction between α-sarcoglycan and biglycan.

49. (Withdrawn) A method for identifying an agent which modulates the interaction between α-dystroglycan and a sarcoglycan component, comprising contacting an α-dystroglycan peptide with the sarcoglycan component or a portion thereof sufficient for binding to α-dystroglycan and a test compound in conditions under which the α-

dystroglycan peptide and the sarcoglycan component interact in the absence of the test compound, wherein a difference in the level of binding between the α-dystroglycan peptide and the sarcoglycan component in the presence of the test compound relative to the absence of the test compound indicates that the test compound is an agent which modulates the interaction between α-dystroglycan and the sarcoglycan component.

50. (Withdrawn) A method for identifying an agent which modulates the interaction between MuSK and biglycan, comprising contacting biglycan with MuSK or a portion thereof sufficient for binding to biglycan and a test compound in conditions under which biglycan and MuSK interact in the absence of the test compound, wherein a difference in the level of binding between the biglycan and MuSK in the presence of the test compound relative to the absence of the test compound indicates that the test compound is an agent which modulates the interaction between biglycan and MuSK.

51. (Withdrawn) A method for identifying a compound which modulates the phosphorylation of alpha-sarcoglycan or MuSK in a cell, comprising contacting a cell comprising alpha-sarcoglycan or MuSK with a compound and determining the level of phosphorylation of apha-sarcoglycan or MusK, respectively, wherein an difference in the level of phosphorylation of alpha-sarcoglycan or MuSK in the presence relative to the absence of the compound indicates that the compound modulates the phosphorylation of alpha-sarcoglycan or MuSK.

52. (Withdrawn) A method for identifying a compound which modulates the phosphorylation of alpha-sarcoglycan or MuSK by biglycan in a cell, comprising contacting a cell comprising alpha-sarcoglycan or MuSK with biglycan and a compound, and determining the level of phosphorylation of apha-sarcoglycan or MusK, respectively, wherein an difference in the level of phosphorylation of alpha-sarcoglycan or MuSK in the presence relative to the absence of the compound indicates that the compound modulates the phosphorylation of alpha-sarcoglycan or MuSK by biglycan.

53. (Previously presented) A method for stabilizing dystrophin-associated protein complexes (DAPCs) on the surface of a muscle cell, comprising contacting the cell with an effective amount of polypeptide, such that the DAPCs are stabilized, wherein said polypeptide is selected from the group consisting of: (a) a polypeptide comprising a sequence at least 95% identical to amino acids 38-365 of SEQ ID NO: 9 and capable of binding to alpha-sarcoglycan and gamma-sarcoglycan; and (b) a polypeptide comprising a sequence identical to SEQ ID NO: 9.

54. (Previously presented) The method of claim 53, wherein the polypeptide binds to alpha-dystroglycan.

55. (Canceled)

56. (Previously presented) The method of claim 53, wherein the polypeptide stimulates phosphorylation of alpha-sarcoglycan on a cell membrane.

57. (Previously presented) The method of claim 53, wherein the polypeptide comprises at least one repeat motif of 24 amino acids in the Leucine Rich Repeat (LRR) of SEQ ID NO: 9.

58. (Previously presented) The method of claim 53, wherein the polypeptide comprises glycosaminoglycan (GAG) side chains.

59. (Previously presented) The method of claim 53, wherein the polypeptide comprises an amino acid sequence identical to amino acids 38-365 of SEQ ID NO: 9.

60. (Currently amended) The method of claim 53, wherein the polypeptide is encoded by a nucleic acid which hybridizes under stringent conditions of 6.0 x sodium chloride/sodium citrate (SSC) at about 45 °C to a complementary strand of SEQ ID NO: 8.